

**Commonwealth of Kentucky
Division for Air Quality**

PERMIT APPLICATION SUMMARY FORM

Completed by: Frough Sherwani

GENERAL INFORMATION:

| | |
|----------------------------|---|
| Name: | Comair, Inc. |
| Address: | 77 Comair Boulevard Erlanger, KY 41018 |
| Date application received: | 11/22/2006 |
| SIC Code/SIC description: | 4512, Airline |
| Source ID: | 21-015-00136 |
| Agency Interest: | 40442 |
| Activity: | APE20060001 |
| Permit: | F-07-042 |

APPLICATION TYPE/PERMIT ACTIVITY:

| | |
|--|---|
| <input checked="" type="checkbox"/> Initial issuance | <input type="checkbox"/> General permit |
| <input type="checkbox"/> Permit modification | <input type="checkbox"/> Conditional major |
| __Administrative | <input type="checkbox"/> Title V |
| __Minor | <input type="checkbox"/> Synthetic minor |
| __Significant | <input checked="" type="checkbox"/> Operating |
| <input type="checkbox"/> Permit renewal | <input type="checkbox"/> Construction/operating |

COMPLIANCE SUMMARY:

| | |
|---|---|
| <input type="checkbox"/> Source is out of compliance | <input type="checkbox"/> Compliance schedule included |
| <input checked="" type="checkbox"/> Compliance certification signed | |

APPLICABLE REQUIREMENTS LIST:

| | | |
|--|---|--------------------------------|
| <input type="checkbox"/> NSR | <input type="checkbox"/> NSPS | <input type="checkbox"/> SIP |
| <input type="checkbox"/> PSD | <input type="checkbox"/> NESHAPS | <input type="checkbox"/> Other |
| <input type="checkbox"/> Netted out of PSD/NSR | <input type="checkbox"/> Not major modification per 401 KAR 51:001, 1(116)(b) | |

MISCELLANEOUS:

- ☐ Acid rain source
- ☐ Source subject to 112(r)
- ☒ Source applied for federally enforceable emissions cap
- ☐ Source provided terms for alternative operating scenarios
- ☐ Source subject to a MACT standard
- ☐ Source requested case-by-case 112(g) or (j) determination
- ☐ Application proposes new control technology
- ☒ Certified by responsible official
- ☒ Diagrams or drawings included
- ☐ Confidential business information (CBI) submitted in application
- ☐ Pollution Prevention Measures
- ☒ Area is non-attainment (list pollutants): Ozone

EMISSIONS SUMMARY:

| Pollutant | POTENTIAL EMISSIONS (TPY) | ACTUAL EMISSIONS (TPY)¹ | ALLOWABLE EMISSION (TPY) |
|---------------------------------------|--------------------------------------|---|-------------------------------------|
| PM/PM₁₀ | 4.43 | 0.018 | NA |
| SO₂ | 2.98 | NA | NA |
| NO_x | 22.75 | NA | NA |
| CO | 9.3 | NA | NA |
| VOC | 123 | 4.264 | 45* |
| Methyl(N-amyl) Ketone | 32.32 | NA | 4.0** |
| Acetylacetone | 19.9 | NA | 4.0** |
| N-Butyl Acetate | 14.4 | NA | 4.0** |
| Xylene | 10.11 | NA | 4.0** |
| 1-Methoxy-2-Propyl Acetate | 10.33 | NA | 4.0** |
| Toluene | 5.16 | 0.08 | 4.0** |
| MIBK | 9.5 | 0.067 | 4.0** |
| Ethyl Benzene | 2.20 | NA | 4.0** |
| Source wide HAPs | 115.43 | 0.147 | 11.25*** |

1 Actual emissions are from the Kentucky Division for Air Quality's 2006 Emissions Inventory report.

* The source has accepted a facility-wide cap on annual VOC emissions including combustion and insignificant activities of no more than 45 tons per rolling 12-month period.

** The source has accepted a facility-wide cap on annual individual HAP emissions of no more than 4 tons per rolling 12-month period.

*** The source has accepted a facility-wide cap on annual combined HAPS emissions of no more than 11.25 tons per rolling 12-month period.

SOURCE DESCRIPTION:

On November 08, 2001 the Division received an application from the source for the conditional major permit for the operation of aircraft line maintenance facility 77 Comair Boulevard, Erlanger, Kentucky in Boone County.

The facility operations include aircraft line maintenance, aircraft hangar maintenance, ground support equipment (GSE) maintenance, fuel storage and supply, and emergency backup power supply. The facility currently operates the following air emission sources:

1. Cold solvent cleaning degreasers;
2. External combustion units (boilers, water heaters);
3. Internal combustion units (emergency fire pumps, emergency back up power generators);
4. Storage tanks for fuels (jet fuel and avgas fuel) and deicing fluids;
5. Surface coating (performed inside a booth for GSE coating and outside for architectural coating and maintenance activities);
6. General chemical usage to support aircraft and GSE maintenance activities; and
7. Miscellaneous activities to support maintenance activities, including machining, welding, and abrasive blasting.

The majority of the facility's volatile organic compound (VOC) and hazardous air pollutant (HAP) emissions result from the use of miscellaneous materials (e.g., coatings, solvents, and adhesives) throughout the facility.

EMISSIONS AND OPERATING CAPS DESCRIPTIONS:

1. The source has accepted a facility-wide cap on annual VOC emissions including combustion and insignificant activities of no more than 45 tons per rolling 12-month period. The actual VOC emissions shall be calculated based on 12-month rolling total. Compliance with this allowable will be demonstrated by record keeping and emissions estimating methodology specified in the terms and conditions of the permit.
2. The source has accepted a facility-wide cap on annual individual HAP emissions including insignificant activities of no more than 4.0 tons per rolling 12-month period. The actual individual HAP emissions shall be calculated based on 12-month rolling total. Compliance with this allowable will be demonstrated by record keeping and emissions estimating methodology specified in the terms and conditions of the permit.
3. The source has accepted a facility-wide cap on annual combined HAPS emissions including insignificant activities of no more than 11.25 tons per rolling 12-month period. The actual combined HAP emissions shall be calculated based on 12-month rolling total. Compliance with this allowable will be demonstrated by record keeping and emissions estimating methodology specified in the terms and conditions of the permit.